

Figure 1

The diagram illustrates the system architecture, showing the flow of data from memory access to wavelet processing. It is divided into two main sections: a memory access section (201) and a wavelet processing section (202).

**Memory Access Section (201):**

- A large rectangle represents the memory access logic.
- Inside, a horizontal row of three squares represents tiles.
- The middle square is labeled "tile 210".
- A double-headed arrow above the tiles is labeled "tile width".
- A double-headed arrow to the right of the tiles is labeled "tile height".
- A double-headed arrow below the tiles is labeled "image width = line offset".
- The label "Memory 201" is written in the top right corner of this section.

**Wavelet Processing Section (202):**

- A large rectangle represents the wavelet processing logic.
- Inside, there are two stacked rectangles:

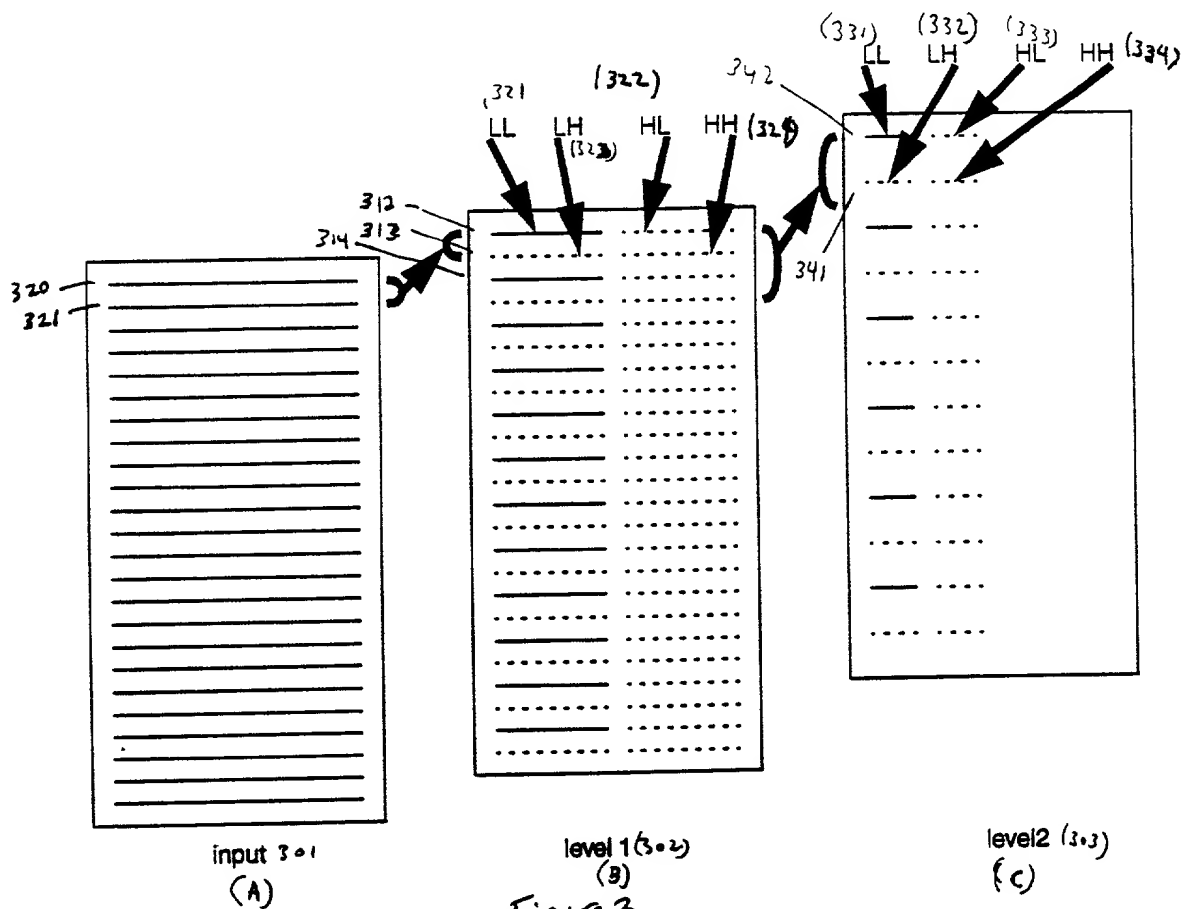
  - The top rectangle is labeled "Memory Access Logic 202A".
  - The bottom rectangle is labeled "Wavelet Transform(s) 202B".

- The label "Wavelet Processing Logic 202" is written in the top right corner of this section.

**Data Flow:**

- A large double-headed vertical arrow connects the Memory Access Section (201) and the Wavelet Processing Section (202), indicating bidirectional data flow between them.

Figure 2



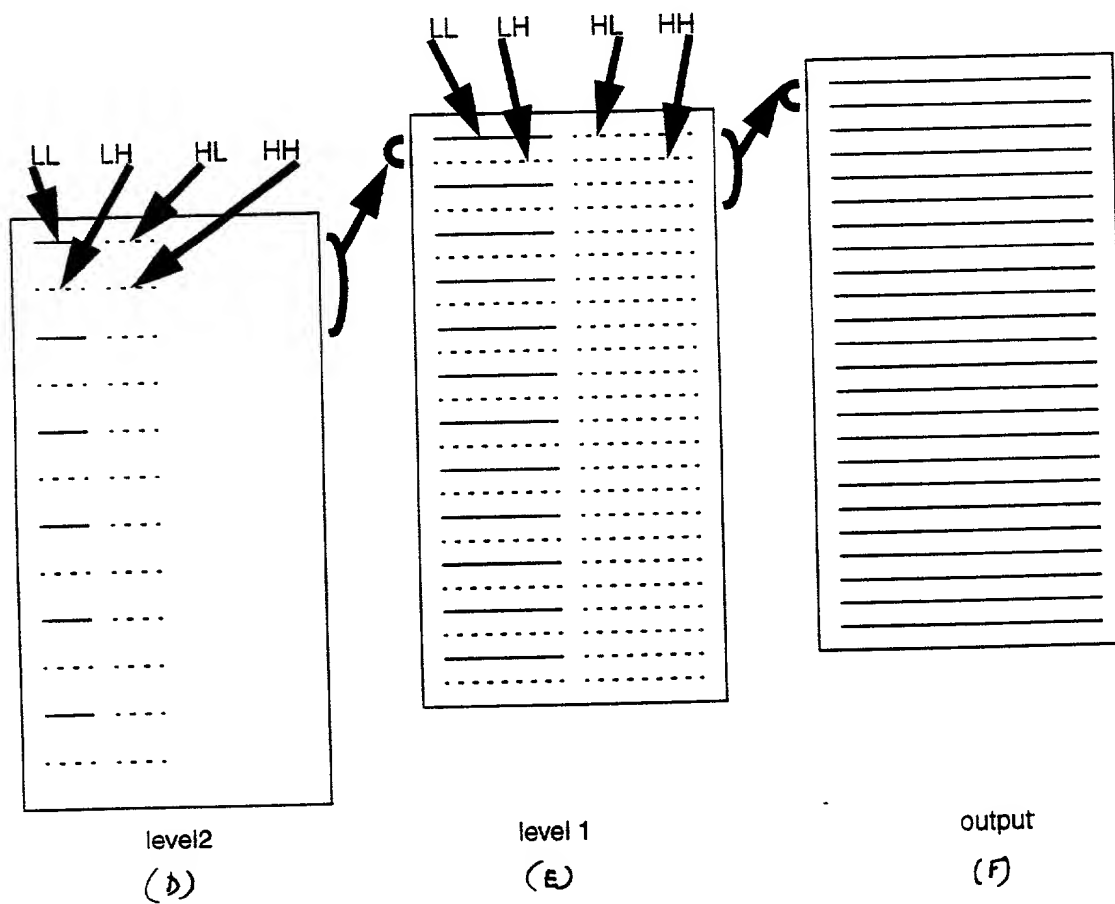


Figure 3

100230 2290360

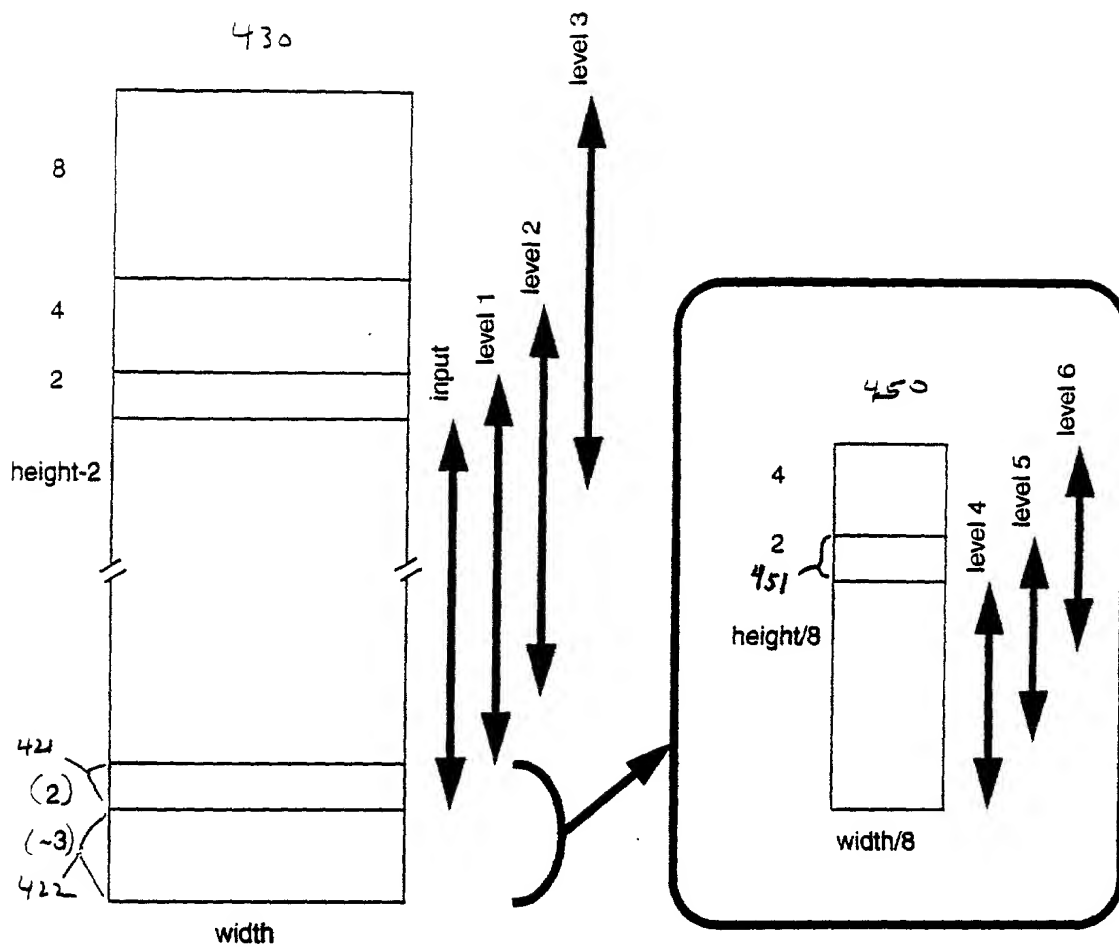


Figure 4 A

Figure 4B

FIG. 5

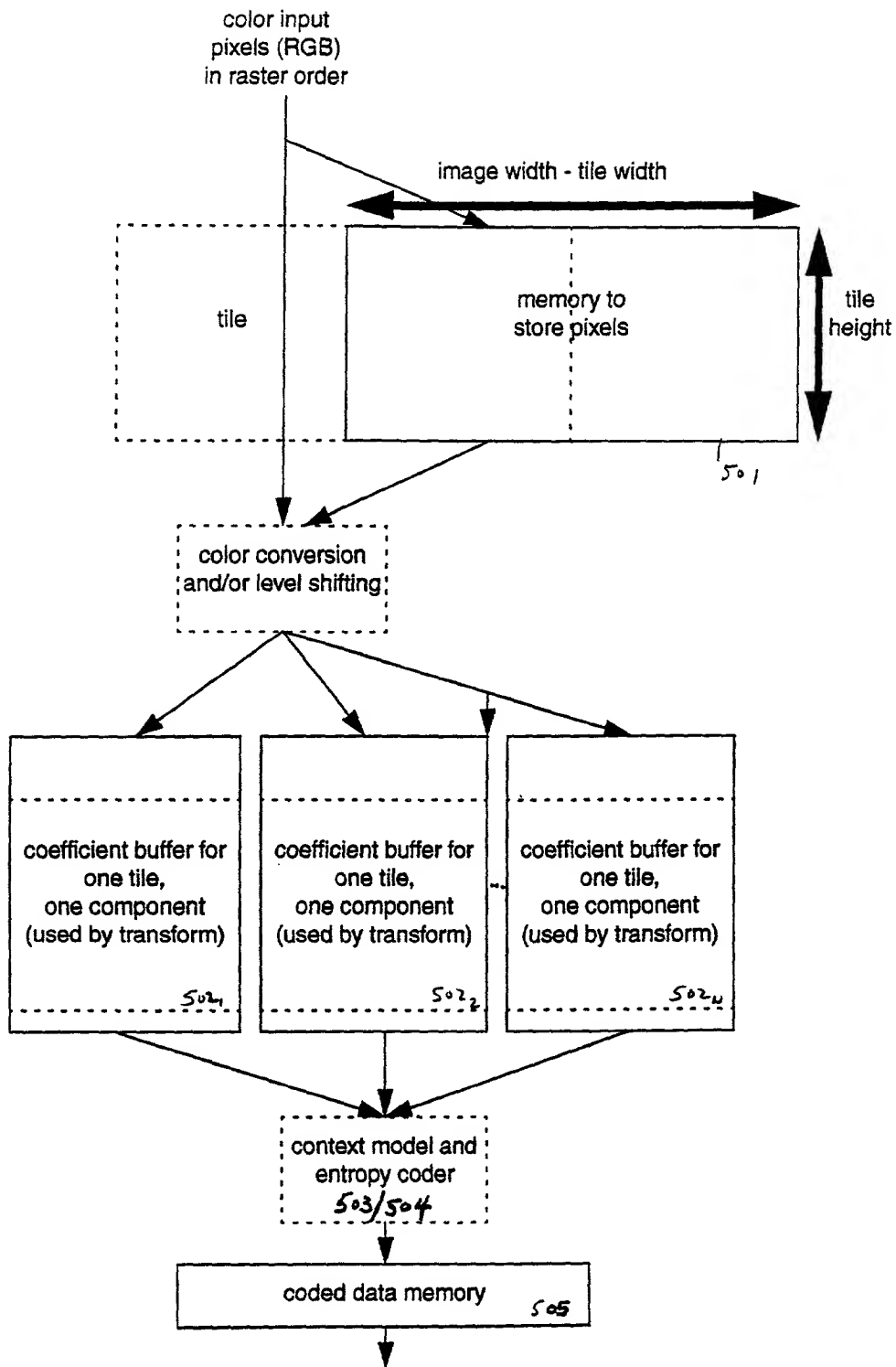


Figure 5

FIG. 6A

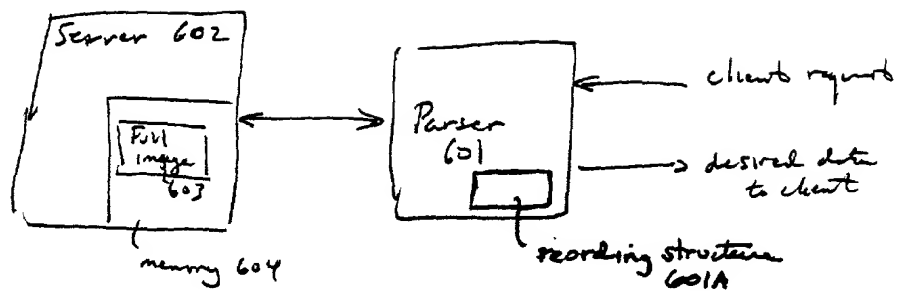


Figure 6A

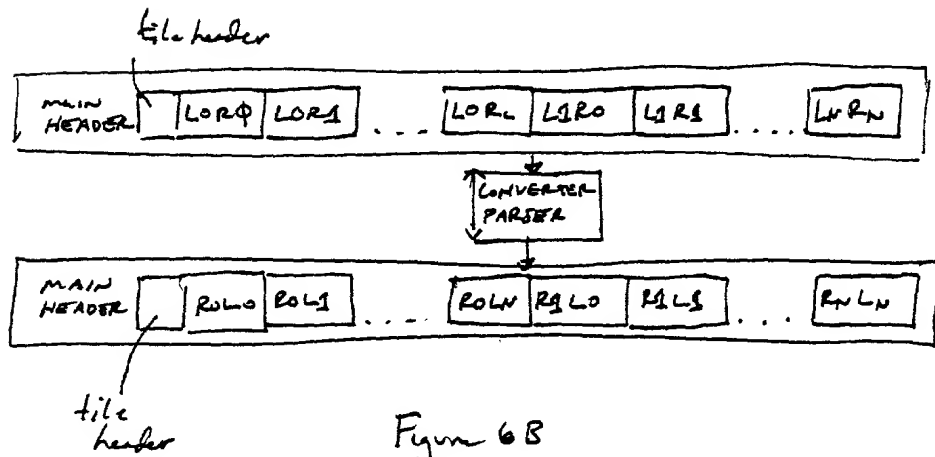


Figure 6B



The diagram illustrates a network structure with five nodes: L (top), RL (middle left), RP (middle right), CP (bottom left), and PC (bottom right). The connections are as follows:
 

- L is connected to RL, RP, CP, and PC.
- RL is connected to L, RP, and CP.
- RP is connected to L, RL, and PC.
- CP is connected to L, RL, and PC.
- PC is connected to L, RP, and CP.

 The connections between RL and RP, and between CP and PC, are represented by double-headed arrows, indicating bidirectional flow. All other connections are represented by single-headed arrows pointing from the top node (L) to the bottom nodes (CP and PC), and from the middle nodes (RL and RP) to the bottom nodes (CP and PC).

```

graph TD
    L --> RL
    L --> RP
    CP --> L
    PC --> L
    CP --> J(( ))
    PC --> J
    style J fill:none,stroke:none
  
```

Figure 7B

09000633 082001

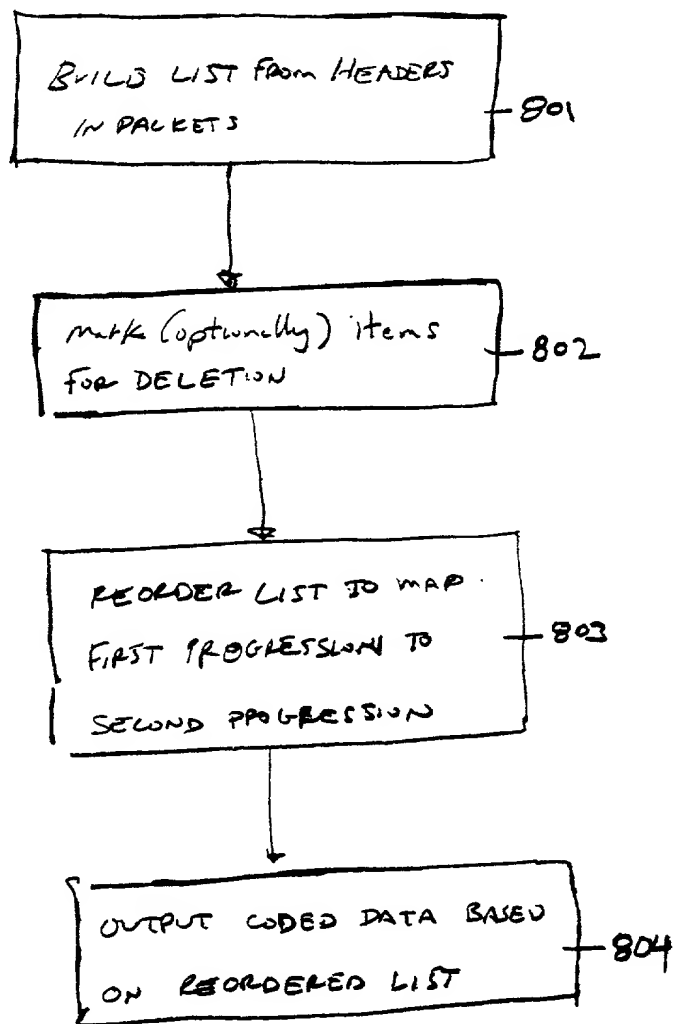


Figure 8

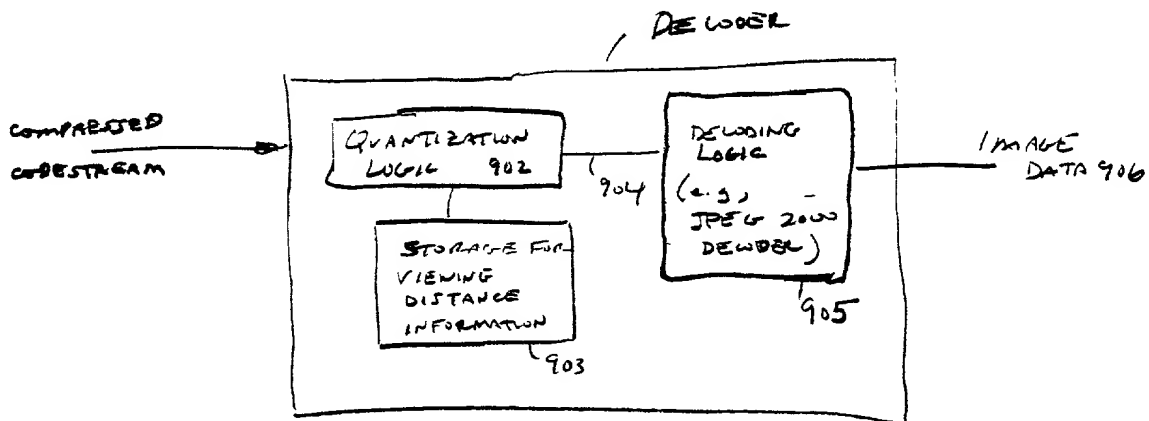


Figure 9

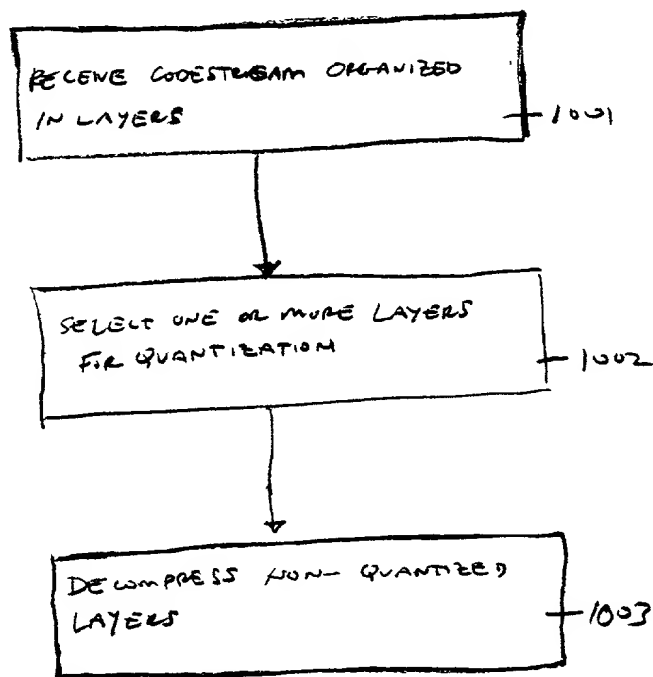


Figure 10

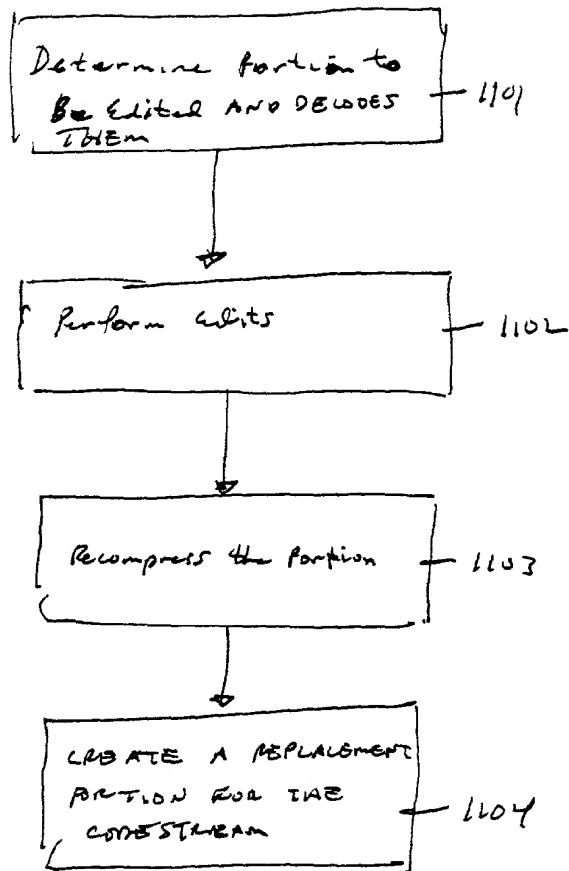


Figure 11

09600633-020001

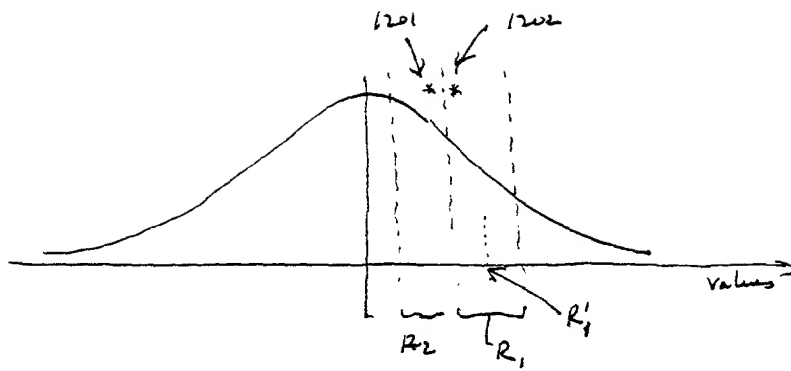


Figure 12

ENCODE A COEFFICIENT VALUE  
IN ONE FRAME OF A MOTION  
SEQUENCE

SET ANOTHER COEFFICIENT  
VALUE IN  
SAME POSITION IN  
SUBSEQUENT FRAME TO  
SAME VALUE AS THE FIRST  
COEFFICIENT

Fig 13

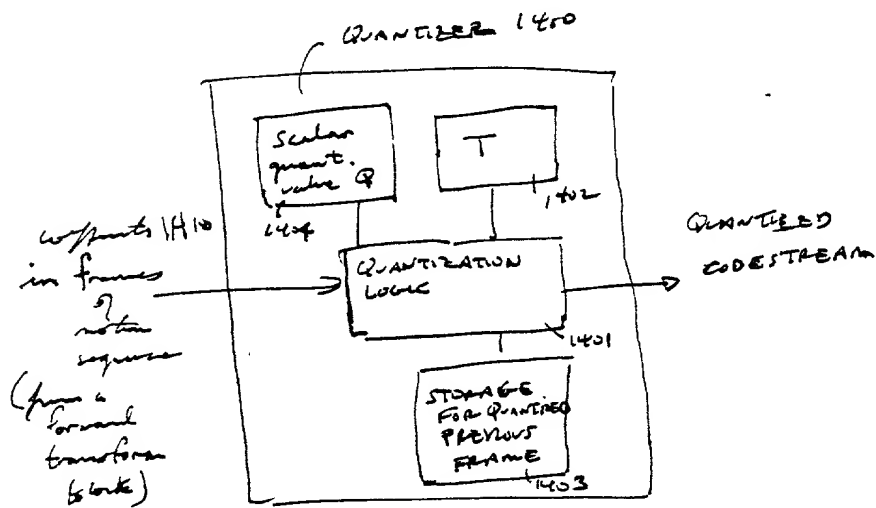


Figure 14

CODE EACH TILE — 1501

STORING REMAINING  
LAYERS FOR EACH TILE IN  
A BUFFER 1503

Figure 15 A

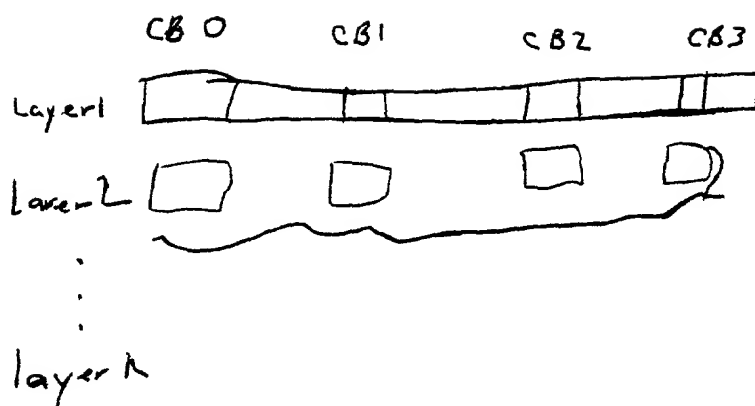


Fig 15B



```

graph TD
    1601[Determine Content Resolution/Layering  
For a Thumbnail] --> 1602[Determine Content Res./Layering  
For a monitor Version]
    1602 --> 1603[Determine Content Res./Layering  
For a Printer Version]
    1603 --> 1604[Create A MARKER TO SET FORTH  
256X16 TILDE-PARTS FOR LOSSLESS]
  
```

Fig 16

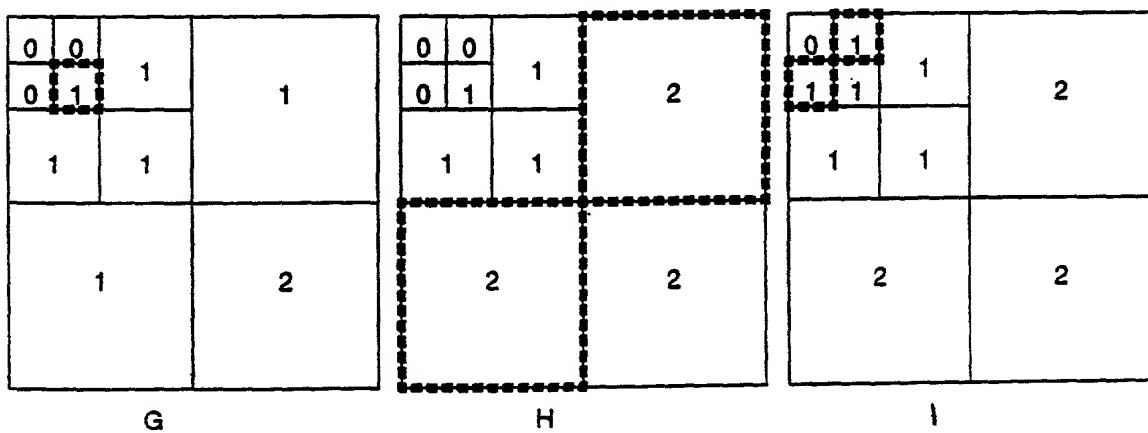
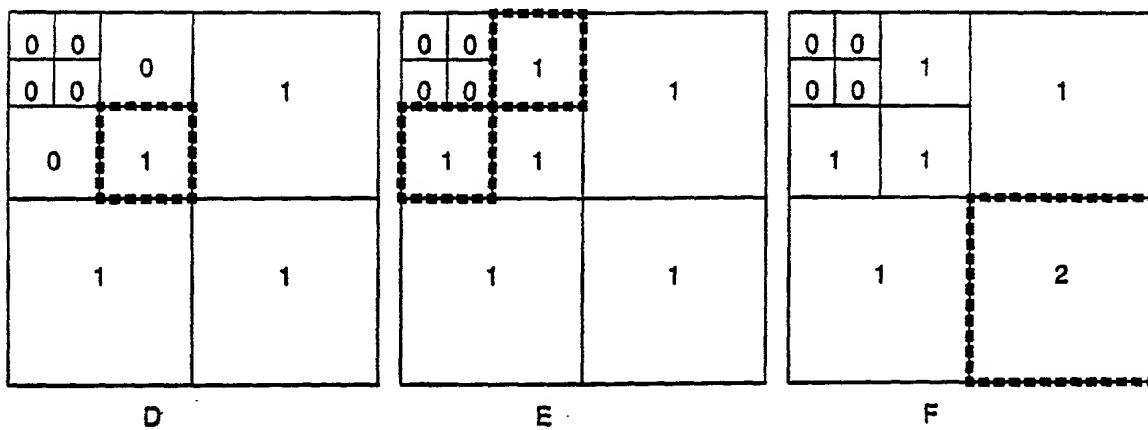
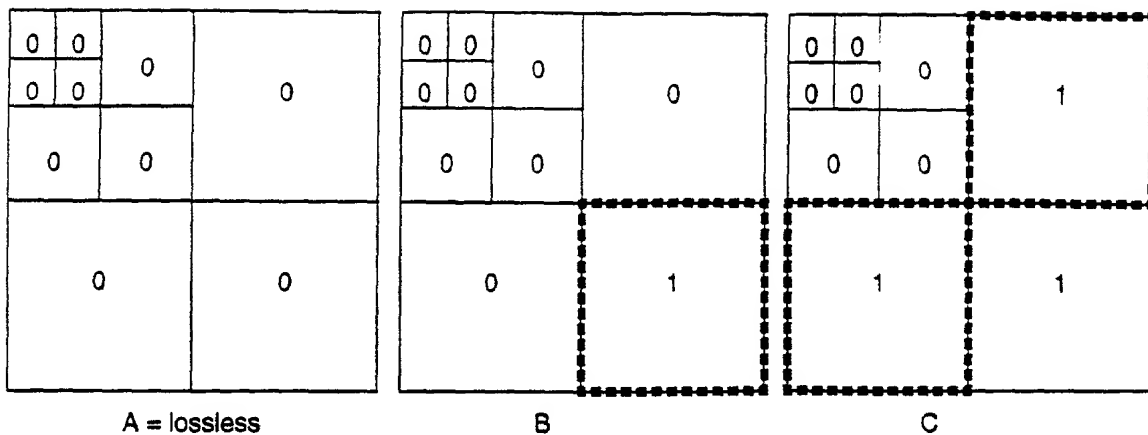


Figure 17

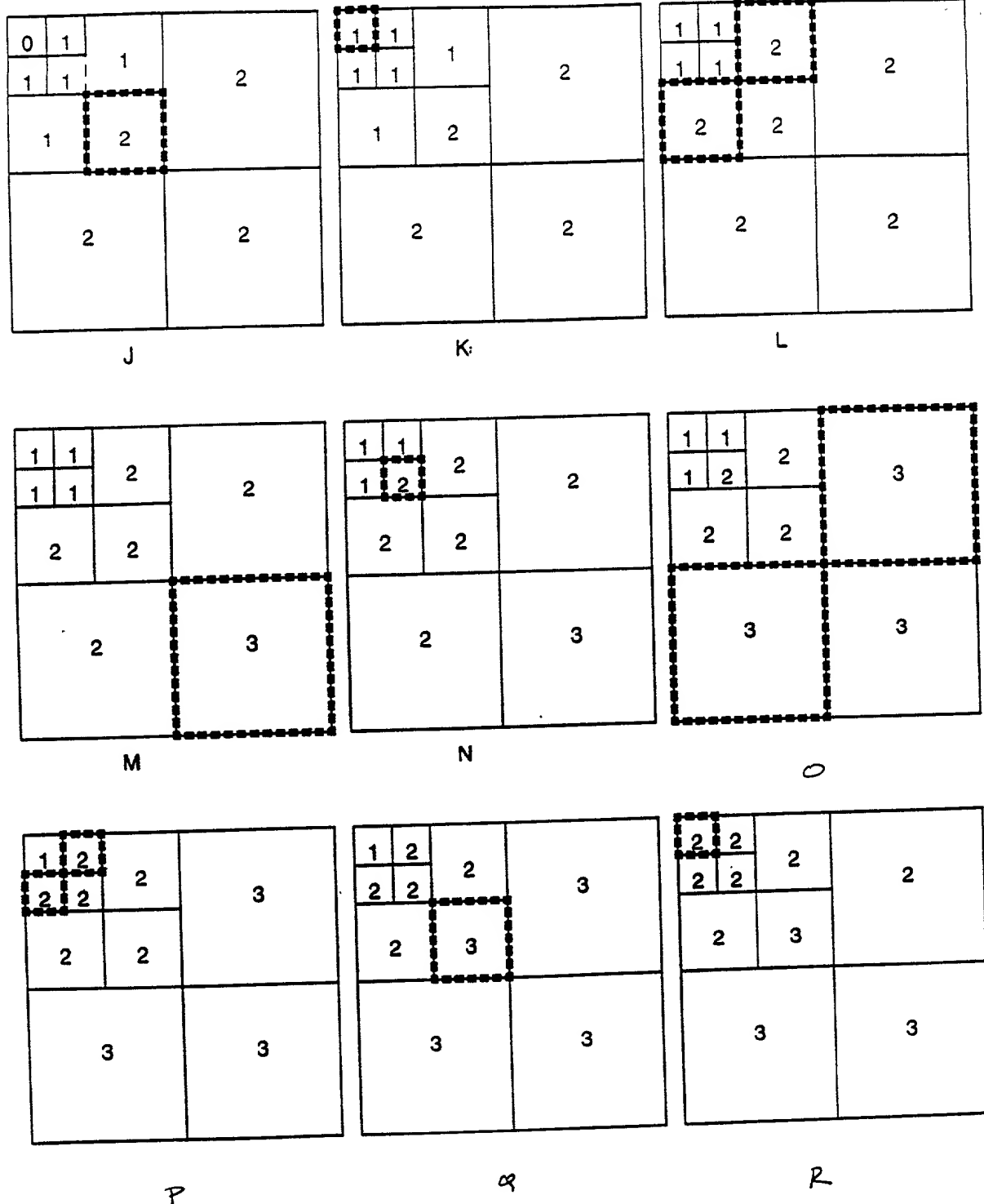


Figure 18

100290"EE900350

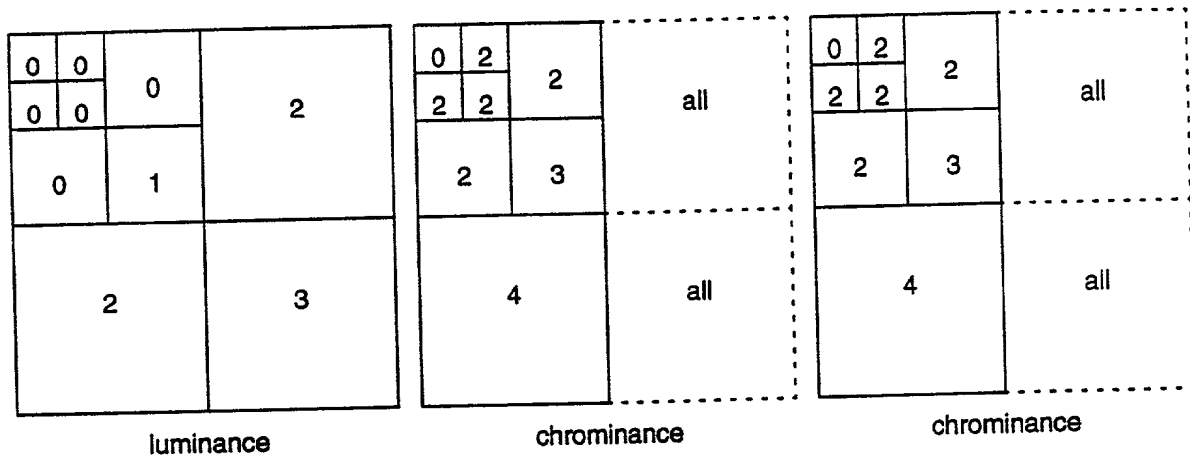


Figure 11

2000

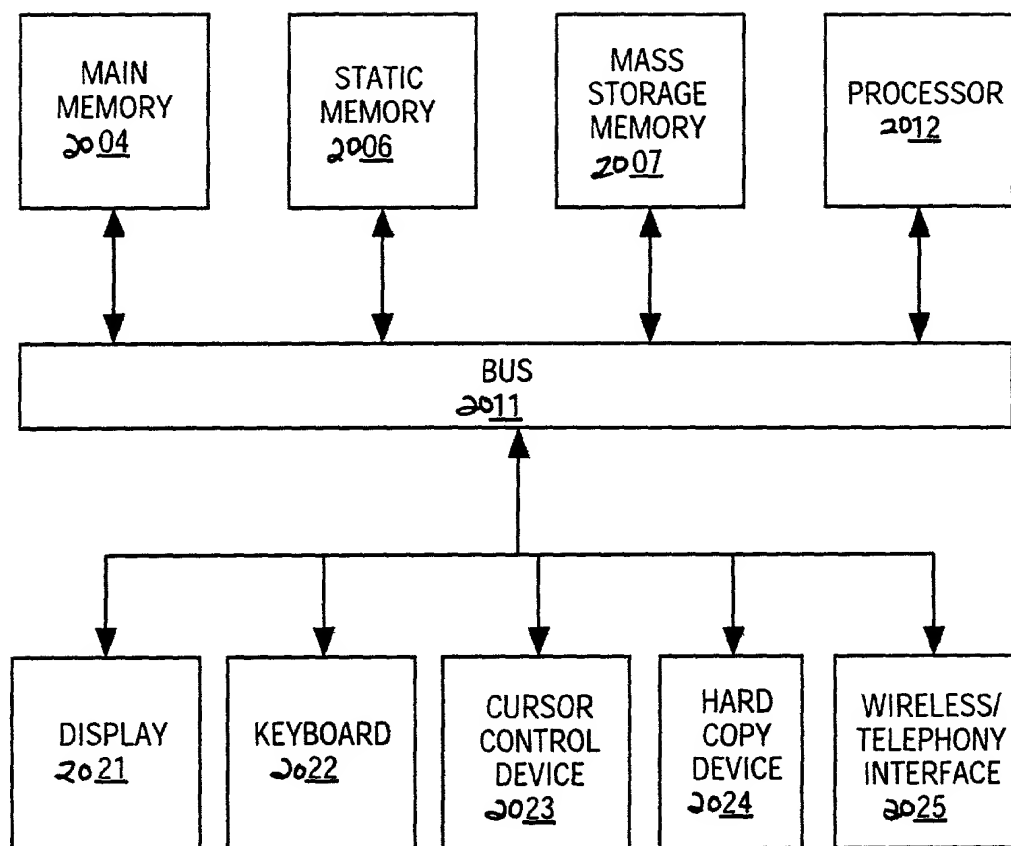


FIG. 20

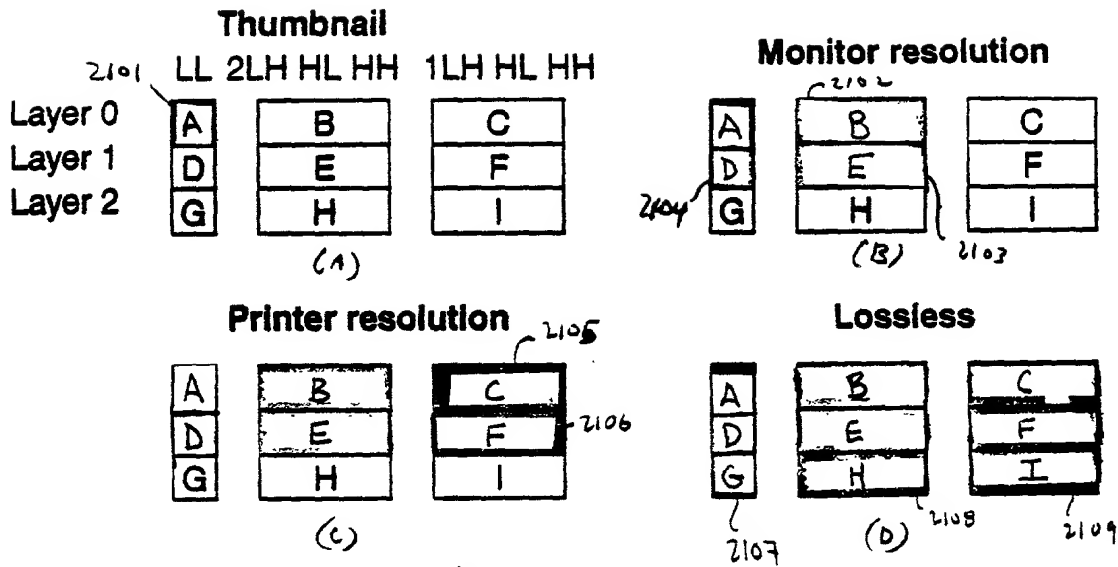


Figure 21

0	0	0	0	1	1	3	4	4	8
0	0	0	0	1	1	3	4	4	8
0	0	0	0	1	1	3	4	4	8
0	0	0	0	1	1	3	4	4	8
0	2	2	6	7	7	10	11	11	15
5	9	9	13	14	14	17	18	18	22
12	16	16	20	21	21	24	25	25	29
19	23	23	27	28	28	31	32	32	36
26	30	30	34	35	35	38	39	39	42
33	37	37	40	41	41	43	44	44	45
3LL	3HL	3LH	3HH	2HL	2LH	2HH	1HL	1LH	1HH

Figure 1 illustrates the distribution of the number of nodes in a tree for various combinations of L and H. The diagram shows 12 vertical bars, each representing a different (L, H) pair. The bars are labeled at the bottom: 3LL, 5HL,LH, 5HH, 4HL,LH, 4HH, 3HL,LH, 3HH, 2HL,LH, 2HH, 1HL,LH, and 1HH. Each bar is divided into segments, and the number of nodes is written in each segment. The distribution shows that for a given L and H, the number of nodes is highest in the middle segments and decreases towards the top and bottom. The total number of nodes for each (L, H) pair is also indicated by the height of the bar.

Figure 23

0920053-032004

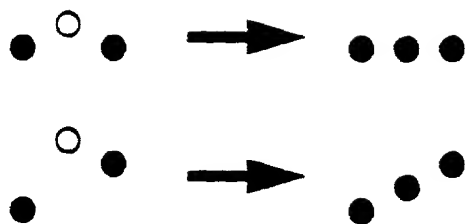
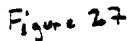
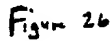
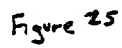


Fig 24



Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)	Population growth rate (%)	Urban population growth rate (%)
Algeria	1980	11.0	4.0	36.4	10.0	10.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	1985	11.5	4.5	39.1	10.5	10.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	1990	12.0	5.0	41.7	11.0	11.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	1995	12.5	5.5	44.0	11.5	11.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2000	13.0	6.0	46.2	12.0	12.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2005	13.5	6.5	48.1	12.5	12.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2010	14.0	7.0	50.0	13.0	13.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2015	14.5	7.5	51.7	13.5	13.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2020	15.0	8.0	53.3	14.0	14.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2025	15.5	8.5	54.8	14.5	14.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2030	16.0	9.0	56.3	15.0	15.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2035	16.5	9.5	57.6	15.5	15.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2040	17.0	10.0	58.8	16.0	16.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2045	17.5	10.5	60.0	16.5	16.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2050	18.0	11.0	61.1	17.0	17.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2055	18.5	11.5	62.2	17.5	17.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2060	19.0	12.0	63.2	18.0	18.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2065	19.5	12.5	64.1	18.5	18.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2070	20.0	13.0	65.0	19.0	19.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2075	20.5	13.5	65.9	19.5	19.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2080	21.0	14.0	66.7	20.0	20.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2085	21.5	14.5	67.4	20.5	20.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2090	22.0	15.0	68.2	21.0	21.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2095	22.5	15.5	68.9	21.5	21.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2100	23.0	16.0	69.6	22.0	22.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2105	23.5	16.5	70.2	22.5	22.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2110	24.0	17.0	70.8	23.0	23.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2115	24.5	17.5	71.4	23.5	23.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2120	25.0	18.0	72.0	24.0	24.0	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2125	25.5	18.5	72.6	24.5	24.5	1.5	1.5	1.5	1.5	1.5	1.5
Algeria	2130	26.0	19.0	73.1								



1990-1991		1991-1992		1992-1993		1993-1994		1994-1995		1995-1996		1996-1997		1997-1998		1998-1999		1999-2000		2000-2001		2001-2002		2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022		2022-2023		2023-2024		2024-2025		2025-2026		2026-2027		2027-2028		2028-2029		2029-2030		2030-2031		2031-2032		2032-2033		2033-2034		2034-2035		2035-2036		2036-2037		2037-2038		2038-2039		2039-2040		2040-2041		2041-2042		2042-2043		2043-2044		2044-2045		2045-2046		2046-2047		2047-2048		2048-2049		2049-2050		2050-2051		2051-2052		2052-2053		2053-2054		2054-2055		2055-2056		2056-2057		2057-2058		2058-2059		2059-2060		2060-2061		2061-2062		2062-2063		2063-2064		2064-2065		2065-2066		2066-2067		2067-2068		2068-2069		2069-2070		2070-2071		2071-2072		2072-2073		2073-2074		2074-2075		2075-2076		2076-2077		2077-2078		2078-2079		2079-2080		2080-2081		2081-2082		2082-2083		2083-2084		2084-2085		2085-2086		2086-2087		2087-2088		2088-2089		2089-2090		2090-2091		2091-2092		2092-2093		2093-2094		2094-2095		2095-2096		2096-2097		2097-2098		2098-2099		2099-2100		2100-2101		2101-2102		2102-2103		2103-2104		2104-2105		2105-2106		2106-2107		2107-2108		2108-2109		2109-2110		2110-2111		2111-2112		2112-2113		2113-2114		2114-2115		2115-2116		2116-2117		2117-2118		2118-2119		2119-2120		2120-2121		2121-2122		2122-2123		2123-2124		2124-2125		2125-2126		2126-2127		2127-2128		2128-2129		2129-2130		2130-2131		2131-2132		2132-2133		2133-2134		2134-2135		2135-2136		2136-2137		2137-2138		2138-2139		2139-2140		2140-2141		2141-2142		2142-2143		2143-2144		2144-2145		2145-2146		2146-2147		2147-2148		2148-2149		2149-2150		2150-2151		2151-2152		2152-2153		2153-2154		2154-2155		2155-2156		2156-2157		2157-2158		2158-2159		2159-2160		2160-2161		2161-2162		2162-2163		2163-2164		2164-2165		2165-2166		2166-2167		2167-2168		2168-2169		2169-2170		2170-2171		2171-2172		2172-2173		2173-2174		2174-2175		2175-2176		2176-2177		2177-2178		2178-2179		2179-2180		2180-2181		2181-2182		2182-2183		2183-2184		2184-2185		2185-2186		2186-2187		2187-2188		2188-2189		2189-2190		2190-2191		2191-2192		2192-2193		2193-2194		2194-2195		2195-2196		2196-2197		2197-2198		2198-2199		2199-2200		2200-2201		2201-2202		2202-2203		2203-2204		2204-2205		2205-2206		2206-2207		2207-2208		2208-2209		2209-2210		2210-2211		2211-2212		2212-2213		2213-2214		2214-2215		2215-2216		2216-2217	
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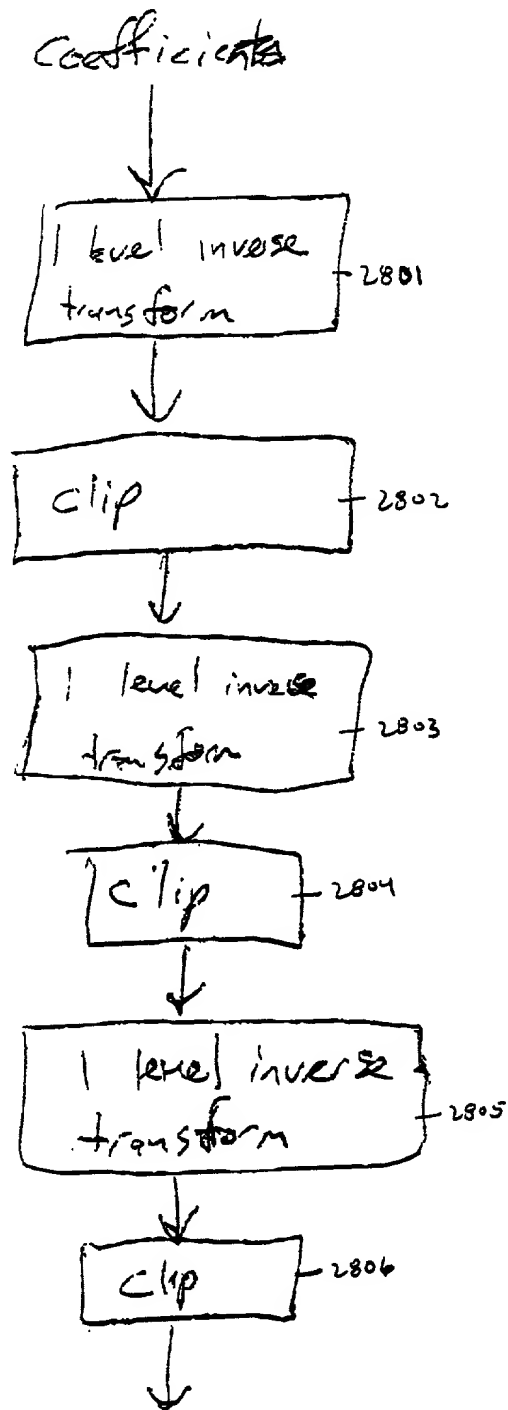


Figure 28